

## LIGHTCUTTER 2.0 MOTORIZED – THE NEW GENERATION OF EFFICIENT CUTTING HEADS

Whether for flatbed or bevel cutting systems: The cutting head LightCutter 2.0 is the perfect solution for efficient and cost-effective laser cutting. The new generation of our Light Cutter family is designed for cutting applications in the medium power range up to 4 kW and is characterized by a high cutting quality for all metals - especially mild steel, stainless steel and aluminum.

Thanks to an automated motor-driven adjustment of the axial focus position, the cutting head works precise and stable at all times, even at accelerations of up to 3 g. The display of the set focus position on the front of the cutting head makes commissioning much easier. The LightCutter 2.0 Motorized covers a large focus position range of 23 mm.

The flexible cutting head is available in 2D and 3D versions: While the 2D version is suitable for integration in flatbed and simple tube and profile cutting systems, the 3D version is ideal for use in professional tube and profile cutting systems as well as in demanding free-form applications. The narrow contour of the 3D cutting head's lower section enables even complex cuts on tubes, profiles and free-form parts with an inclination angle of up to 45 degrees.

### EFFICIENT & STABLE

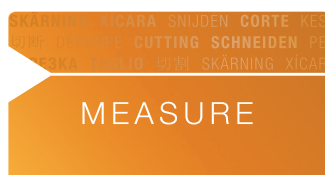
- excellent value for money
- very high cutting speed and optimal edge quality
- sealed beam path
- temperature and plasma-resistant distance control
- proven high performance optic

### FLEXIBLE

- customized configurations for all applications
- straight or angled versions
- different fiber plugs (QBH, D, etc.)
- motorized or manual focus adjustment

### USER FRIENDLY

- simple setting of focal position in lateral/vertical direction
- rapid changing of protective glass cartridge (no tools required)
- additional protective glass in collimation module
- slim and sturdy design



**FLATBED CUTTING (2D)**

applications

**BEVEL CUTTING (3D)**

fiber socket

laser power

focal lengths (collimation)

focal lengths

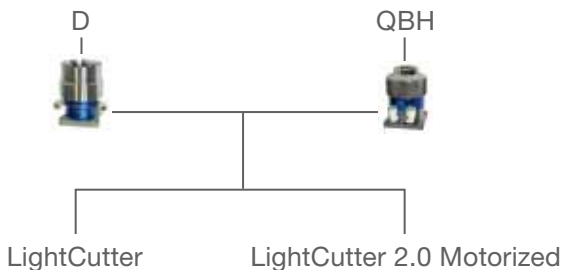
N<sub>max</sub>

dimensions

weight

vertical adjustment range

max. cutting gas pressure



up to 3 kW

up to 4 kW



up to 3 kW

up to 4 kW



75 mm 100 mm	100 mm		100 mm	100 mm
100 mm 125 mm 150 mm 200 mm	125 mm 150 mm 200 mm		150 mm	150 mm
0.16 at FC75, 0.12 at FC100	0.12 at FC100		0.12 at FC100	0.12 at FC100
75 x 69 mm	130 x 69 mm		75 x 69 mm	130 x 69 mm
from 3.3 kg	from 4.0 kg		from 3.3 kg	from 4.0 kg
+3 mm / - 5 mm	23 mm including +11 mm / -8 mm		+3 mm / - 5 mm	23 mm including +11 mm / -8 mm
25 bar	25 bar		25 bar	25 bar

The PRECITEC GROUP provides intelligent and reliable solutions for material processing with lasers and optical measuring technology. We are not just a system and component supplier, but also your professional partner for smooth processing.

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